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SSD Case No.	小字。Assignee》都是一	Application No.		*Patent No.	Fissue Dates	"(Reel/Frame	Recordation Date
	Nokia Networks OY	09/544,667	06-Apr-2000			011030/0497	01-Aug-2000
5964300029		09/625,260	25-Jul-2000			011004/0179	25-Jul-2000
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5964300111	Nokia Networks OY	09/679,472	04-Oct-2000			011399/0715	26-Dec-2000

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5964300112	Nokia Networks OY	09/704,208	01-Nov-2000			011596/0135	02-Mar-2001
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. 3 5

5964300199	Nokia Networks OY	09/913,576	13-Aug-2001			012265/0186	13-Aug-2001
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6028200028	Nokia Networks OY	09/843,193	26-Apr-2001		012029/0419	30-Jul-2001
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6028200030	Nokia Networks OY	09/846,987	01-May-2001		012063/0779	09-Aug-2001
6028200031	Nokia Networks OY	09/848,751	01-May-2001		012115/0141	27-Aug-2001
6028200032	Nokia Networks OY	061,098/60	17-May-2001		012139/0896	07-Sep-2001
6028200033	Nokia Networks OY	09/862,127	21-May-2001		012126/0362	31-Aug-2001
6028200034	Nokia Networks OY	09/862,715	22-May-2001		012118/0619	30-Aug-2001
6028200036	Nokia Networks OY	09/876,462	07-Jun-2001	6,493,564 10-Dec-2002	02 012267/0795	15-Oct-2001
6028200037	Nokia Networks OY	09/876,562	07-Jun-2001		012392/0045	26-Dec-2001
6028200038	Nokia Networks OY	099'888/60	25-Jun-2001	-	012799/0463	02-Apr-2002
6028200039	Nokia Networks OY	09/893,028	27-Jun-2001		012389/0384	26-Dec-2001
6028200040	Nokia Networks OY	09/901,814	10-Jul-2001		012523/0281	18-Oct-2001
6028200041	Nokia Networks OY	09/902,027	10-Jul-2001		013005/0284	18-Jun-2002
6028200042	Nokia Networks OY	106/803/801	12-Jul-2001		012398/0975	27-Dec-2001
6028200044	Nokia Networks OY	09/906,372	16-Jul-2001		012274/0073	15-Oct-2001
6028200045	Nokia Networks OY	776,906,60	16-Jul-2001		012920/0755	24-Jul-2002
6028200046	Nokia Networks OY	09/911,219	23-Jul-2001		012408/0257	31-Dec-2001
6028200047	Nokia Networks OY	09/920,362	01-Aug-2001		012455/0219	08-Jan-2002
6028200048	Nokia Networks OY	09/934,034	21-Aug-2001		012927/0111	28-May-2002
6028200049	Nokia Networks OY	09/947,677	06-Sep-2001		012489/0657	14-Jan-2002
6028200050	Nokia Networks OY	09/947,842	06-Sep-2001		012432/0828	04-Jan-2002
6028200051	Nokia Networks OY	09/949,949	10-Sep-2001		012457/0738	09-Jan-2002
6028200052	Nokia Networks OY	09/952,370	11-Sep-2001		012442/0651	07-Jan-2002
6028200053	Nokia Networks OY	09/954,363	17-Sep-2001		012457/0680	06-Nov-2001
6028200054	Nokia Networks OY	09/970,754	03-Oct-2001		012534/0187	28-Jan-2002
6028200055	Nokia Networks OY	757,076/60	03-Oct-2001		012675/0714	06-Mar-2002
6028200056	Nokia Networks OY	09/971,909	05-Oct-2001		012416/0761	03-Jan-2002
6028200057	Nokia Networks OY	668,776,60	09-Oct-2001		012480/0343	11-Jan-2002
. 6028200058	Nokia Networks OY	09/978,431	15-Oct-2001		012456/0473	09-Jan-2002
6028200059	Nokia Networks OY	695'666/60	01-Nov-2001		012558/0521	30-Jan-2002
6028200060	Nokia Networks OY	10/000,242	18-Oct-2001		012561/0125	28-Jan-2002
6028200062	Nokia Networks OY	10/002,242	23-Oct-2001	,	012566/0175	28-Jan-2002
6028200063	Nokia Networks OY	10/008,783	13-Nov-2001		012602/0196	11-Feb-2002
6028200064	Nokia Networks OY	10/013,098	06-Nov-2001		012624/0434	19-Feb-2002
6028200070	Nokia Networks OY	09/549,102	12-Apr-2000		011053/0893	22-Aug-2000

2002	2000	2001	÷				
25-Sep-2000 03-Jan-2002 10-Jan-2002	20-Nov-2000	30-Mar-2001 09-Mar-2001		-			
012427/0958 012427/0958 012481/0584	011317/0515	011669/0081					
31-Dec-2002			• .	·		·	
6,501,957				5.			•
7-5-5001 17-Sep-2001 17-Oct-2001	15-Aug-2000	18-Jan-2001 19-Jan-2001	·				
09/954,370	09/638,677	09/765,492 09/757,873			·		
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6028200072 6028200072 6028200073	6028200075	6028200076 6028200077	*	,			Page 8